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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/900,079	07/06/2001	Kirstan Anderson Vandersluis	XAW-0102	5848

7590   03/23/2005

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EXAMINER
NGUYEN, CINDY

ART UNIT	PAPER NUMBER
2161	

DATE MAILED: 03/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)	
Office Action Summary		09/900,079	VANDERSLUIS, KIRSTAN ANDERSON	
		Examiner	**Art Unit**	
		Cindy Nguyen	2171	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _19 November 2004_ .

2a) ☐ This action is **FINAL.**   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☐ Claim(s) _____ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-29_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on _04 September 2001_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)	4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) ☐ Notice of Informal Patent Application (PTO-152)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .	6) ☐ Other: .

DETAILED ACTION

This is in response to communication filed 11/09/04.

Response to Arguments

Applicant's arguments have been considered but are moot in view of the new

ground(s) of rejection.

1.   *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosesd or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2.   Claims 1-23 and 25-29 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Sun Microsystems (EP 1126380) (Sun) in view of Bellwood et al. (US 640132).

Regarding claim 1, Sun discloses: A system for converting data in a first hierarchical data

scheme into a second hierarchical data scheme, comprising (paragraph 0014-0016, Sun):

a template defining the second hierarchical data scheme, wherein a hierarchical data

schema is a scheme that groups data and its context (XML template, paragraph 0014-0016, Sun)

However, Sun didn't disclose: a dynamic data generation module contained in the

template; and a data source, in communication with the dynamic data generation module,

containing data in the first hierarchical data scheme. On the other hand, Bellwood discloses: a

dynamic data generation module contained in the template (col. 7, lines 16-27, Bellwood); and a

data source, in communication with the dynamic data generation module , containing data in the

first hierarchical data scheme (col. 4, lines 22-34, Bellwood). Thus, at the time invention was

made, it would have been obvious to a person of ordinary skill in the art to include a dynamic

data generation module contained in the template; and a data source, in communication with the

dynamic data generation module, containing data in the first hierarchical data scheme in the

system of Sun as taught by Bellwood. The motivation being to enable the system provided the

transcoders to transcode the data source into a desires format, thereby decreasing composition

time and providing faster delivery of documents to the requester (col. 2, lines 27-31, Bellwood).

Regarding claim 2, all the limitations of this claim have been noted in the rejection of

claim 1. In addition, Sun/Bellwood discloses: wherein the template and the dynamic data

generation module are contained in a server (col. 4, lines 22-34, Bellwood).

Regarding claim 3, all the limitations of this claim have been noted in the rejection of

claim 2. In addition, Sun/Bellwood discloses: further including a driver connected between the

dynamic data generation module and the data source (as a network connecting between the client

and server for transcoding, col. 4, lines 18-34, Bellwood).

Regarding claim 4, all the limitations of this claim have been noted in the rejection of

claim 3. In addition, Sun/Bellwood discloses: further including a developer module contained in

the server for creating the dynamic data generation module (col. 5, lines 27-45, Bellwood).

Regarding claim 5, all the limitations of this claim have been noted in the rejection of claim 1. In addition, Sun/Bellwood discloses: wherein the template is a static extensible markup language document (paragraph 0016, Sun).

Regarding claim 6, all the limitations of this claim have been noted in the rejection of claim 1 above. In addition, Sun/Bellwood discloses: wherein the template is an extensible markup language document type definition (col. 4, lines 47-60, Bellwood).

Regarding claim 7, all the limitations of this claim have been noted in the rejection of claim 1. In addition, Sun/Bellwood discloses: wherein the template is an extensible markup language schema (paragraph 0042, Sun).

Regarding claims 8 and 9, all the limitations of these claims have been noted in the rejection of claim 1 above. In addition, Sun/Bellwood discloses: wherein the first and the second hierarchical data scheme are selected from the group of: extensible markup language schemes, relational databases, non-relational databases, extensible markup language databases and self-describing databases (paragraph 0042, Sun, and col. 5, lines 1-26, Bellwood).

Regarding claim 10, all the limitations of this claim have been noted in the rejection of claim 1 above. In addition, Sun/Bellwood discloses: wherein the dynamic data generation module includes a query directed to the data source (col. Col. 4, lines 35-47, Bellwood).

Regarding claim 11, all the limitations of this claim have been noted in the rejection of claim 1. In addition, Sun/Bellwood discloses: wherein the dynamic data generation module includes a data mapping between the first hierarchical data scheme and the second hierarchical data scheme (col. 5, lines 14-26, Bellwood).

Regarding claim 12, all the limitations of this claim have been noted in the rejection of claim 1. In addition, Sun/Bellwood discloses: wherein the developer module contains a wizard that walks a user through a process of creating the dynamic data generation module (col. 5, lines 28-63, Bellwood).

Regarding claim 13, most of the limitations of this claim have been noted in the rejection of claim 1. In addition, Sun/Bellwood discloses: a) publishing a dynamic template in a server (paragraph 0048, Sun);

b) receiving an instruction from a client at the dynamic template (col. 4, lines 18-34, Bellwood);

c) executing the dynamic template (col. 4, lines 18-34, Bellwood); and

d) when a dynamic data generation module is executed, performing a data transfer operation that converts data in the first hierarchical data scheme into the second hierarchical data scheme (col. 4, lines 48 to col. 5, lines 11, Bellwood).

Regarding claim 14, all the limitations of this claim have been noted in the rejection of claim 13. In addition, Sun/Bellwood discloses: wherein step (a) further includes the steps of:

a1) receiving a template (col. 5, lines 14-26, Bellwood);

a2) determining for each element of the template if dynamically generated data is required (col. 5, lines 28-45, Bellwood);

a3) when the dynamically generated data is required, receiving a data source for obtaining the dynamically generated data (col. 5, lines 14-26, Bellwood).

Regarding claim 15, all the limitations of this claim have been noted in the rejection of claim 13. In addition, Sun/Bellwood discloses: further including the steps of:

a4) receiving a data mapping between the first hierarchical data scheme and the second hierarchical data scheme (paragraph 0014-0016, Sun).

Regarding claim 16, all the limitations of this claim have been noted in the rejection of claim 13. In addition, Sun/Bellwood discloses: wherein step (a4) further includes the steps of I) wherein the first hierarchical data schema is a non-extensible markup language and the second hierarchical data schema is a second non-extensible markup language, creating a first data mapping between the first hierarchical data schema and an intermediate extensible markup schema (col. 4, lines 48-67 and col. 5, lines 14-26, Bellwood); ii) creating a second data mapping between the intermediate extensible markup schema and the second hierarchical data schema (col. 4, lines 60 to col. 5, lines 11, Bellwood).

Regarding claim 17, all the limitations of this claim have been noted in the rejection of claim 15. In addition, Sun/Bellwood discloses: further including the step of" a5) receiving a key associated with the data mapping (textbody in XML as standard as italic, paragraph 0042, Sun).

Regarding claims 18 and 26, all the limitations of these claims have been noted in the rejection of claims 14 and 15 above. In addition, Sun/Bellwood discloses: repeating steps (b) through (d) for every element of the static extensible markup language template to form a dynamic data conversion program (col. 7, lines 15-27, Bellwood).

Regarding claim 19, all the limitations of this claim have been noted in the rejection of claims 6 and 7 above. It is therefore rejected as set forth above.

Regarding claims 20 and 27, all the limitations of these claims have been noted in the rejection of claims 14 and 15 above, respectively. In addition, Sun/Bellwood discloses: wherein step (a) further includes the step of:

al) defining an input parameter (paragraph 0015, Sun).

Regarding claim 21, all the limitations of this claim have been noted in the rejection of claim 18. In addition, Sun/Bellwood discloses: wherein step (c) further includes the step of:

c l) receiving a driver (as a network connecting between the client and server for transcoding, col. 4, lines 18-34, Bellwood).

Regarding claim 22, all the limitations of this claim have been noted in the rejection of claim 18. In addition, Sun/Bellwood discloses: wherein step (c) further includes the step of:

c l) generating a query to the data source (col. 4, lines 18-34, Bellwood).

Regarding claim 23, all the limitations of this claim have been noted in the rejection of claim 18. In addition, Sun discloses: wherein step (d) further includes the step of:

dl) receiving a screen having a list of elements from the data source and a list of metatags from the static extensible markup language template (paragraph 0041, Sun).

Regarding claim 25, all the limitations of this claim have been noted in the rejection of claim 18. In addition, Sun discloses: further including the steps of:

e) publishing the dynamic data conversion program to a server (paragraph 0041, Sun));

f) when a query is received at the server for the dynamic data conversion program, executing the dynamic data conversion program to form an extensible markup language document (col. 4, lines 18-34, Bellwood).

Regarding claim 28, all the limitations of this claim have been noted in the rejection of

claim 26 above. In addition, Sun/Bellwood discloses: wherein step (d) further includes the steps

of:

d2) generating a query (col. 4, lines 18-34, Bellwood);

dl) receiving a query type (col. 4, lines 18-34, Bellwood).

Regarding claim 29, all the limitations of this claim have been noted in the rejection of

claim 28. In addition, Sun/Bellwood discloses: wherein step (dl) further includes receiving an

insert query type (col. 4, lines 18-34, Bellwood).

3.   **Claim 24 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sun**

Microsystems (EP 1126380) (Sun) in view of Bellwood et al. (US 640132) and further in

view of Povilus (U.S 5740425).

Regarding claim 24, all the limitations of this claim have been noted in the rejection of

claim 18 above. However, Sun/Bellwood didn't disclose: wherein step (c) further includes the

step of: displaying an incomplete version of a dynamic extensible markup language template

wherein a static element is shown in a first color and a dynamic element is shown in a second

color. On the other hand, Povilus discloses: wherein step (c) further includes the step of:

displaying an incomplete version of a dynamic extensible markup language template wherein a

static element is shown in a first color and a dynamic element is shown in a second color (col.

32, lines 45-67, Povilus). Thus, at the time invention was made, it would have been obvious to a

person of ordinary skill in the art to include the steps for displaying an incomplete version of a

dynamic extensible markup language template wherein a static element is shown in a first color

and a dynamic element is shown in a second color in the system of Sun/Bellwood as taught by

Povious. The motivation being to enable the users clearly see the different elements in the

templates and easily for mapping information when converting the information between

templates, so it can be easily shared between data sources (col. 32, lines 42-67, Povilus).

4.   *Contact Information*

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Cindy Nguyen whose telephone number is 571-272-4025. The examiner can

normally be reached on M-F: 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet

Metjahic can be reached on 571-272-4023. The fax phone numbers for the organization where this

application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7240

for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should

be directed to the receptionist whose telephone number is 703-305-3900.

Cindy Nguyen
March 4, 2005

FRANTZ COBY
PRIMARY EXAMINER